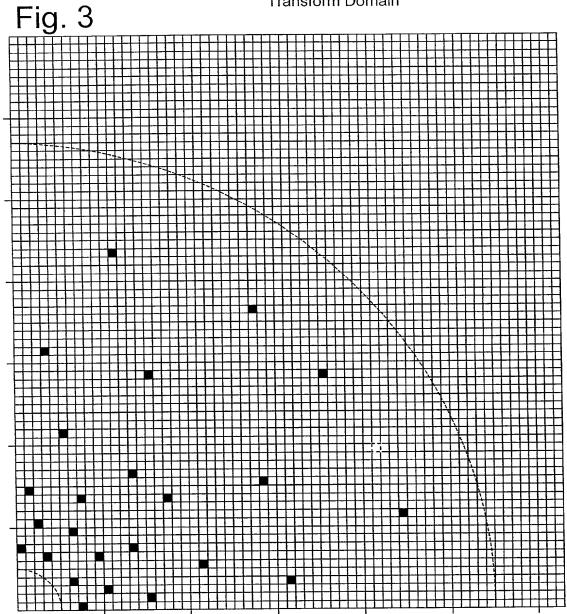


One Quadrant Spatial Transform Domain



Transform Image Data

Perform Correlation

Orientation Parameters

Re-orient image

400

402

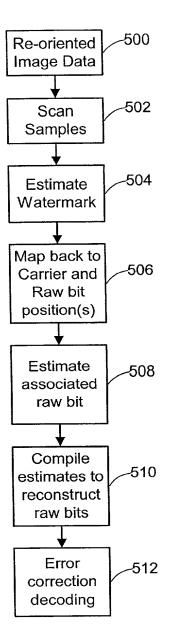
404

404

406

406

Fig. 5



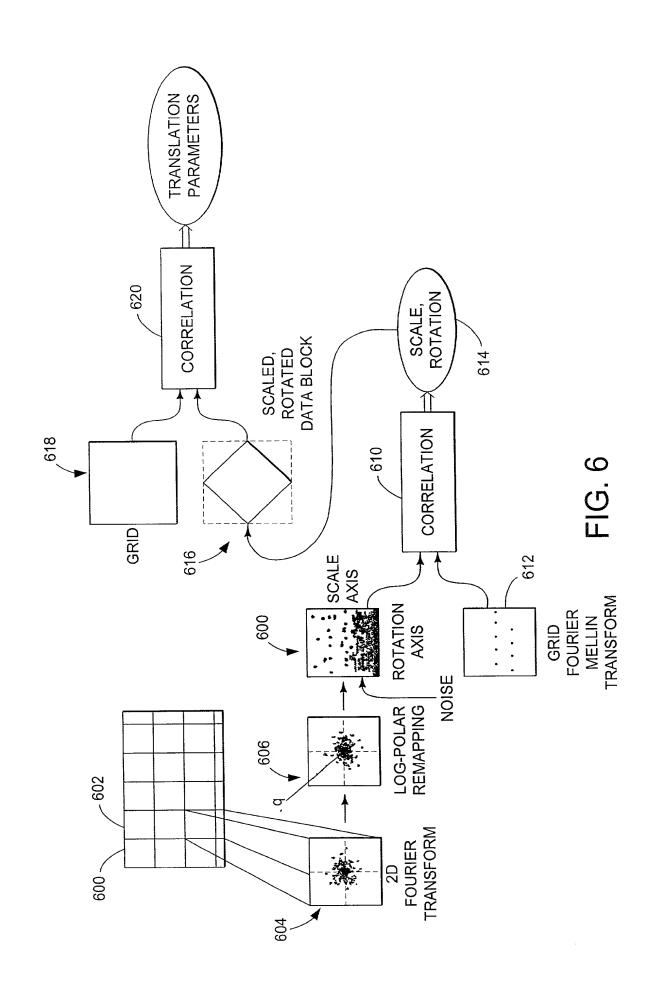
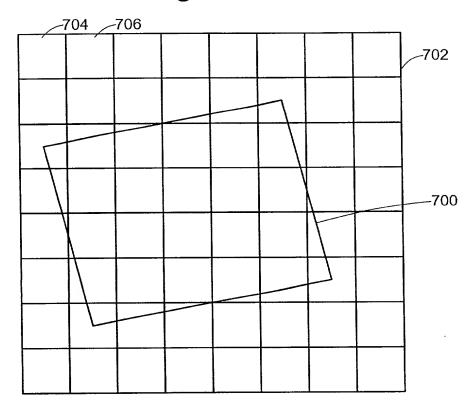
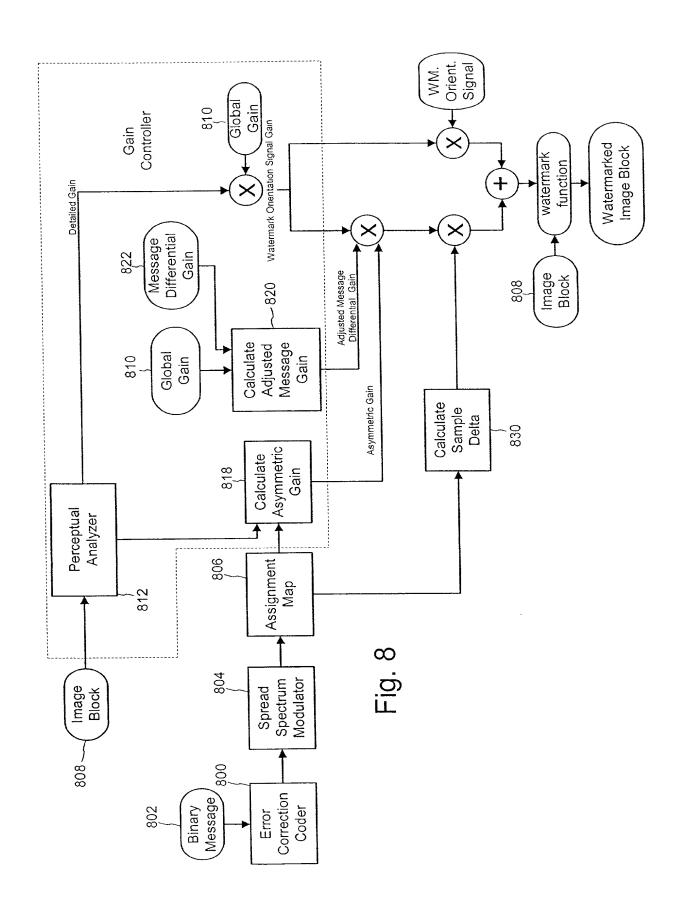
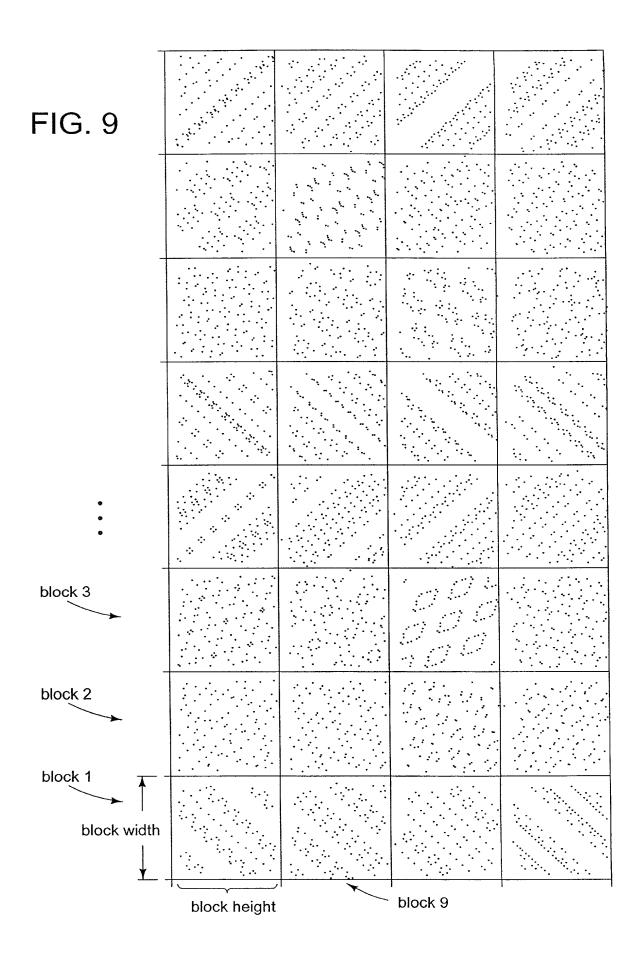


Fig. 7







MAGNITUDE OF WATERMARK ORIENTATION SIGNAL IN FREQUENCY DOMAIN

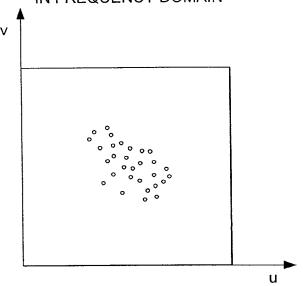


FIG. 10

REAL VALUE OF WATERMARK ORIENTATION SIGNAL IN SPATIAL DOMAIN

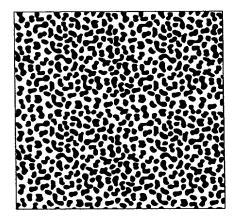
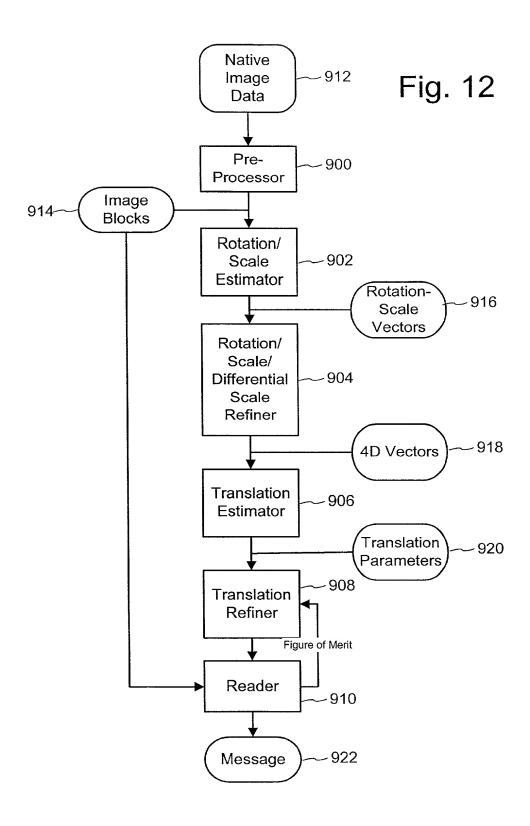


FIG. 11



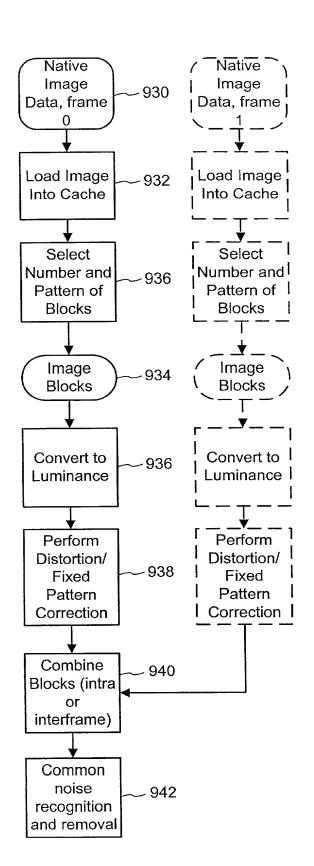
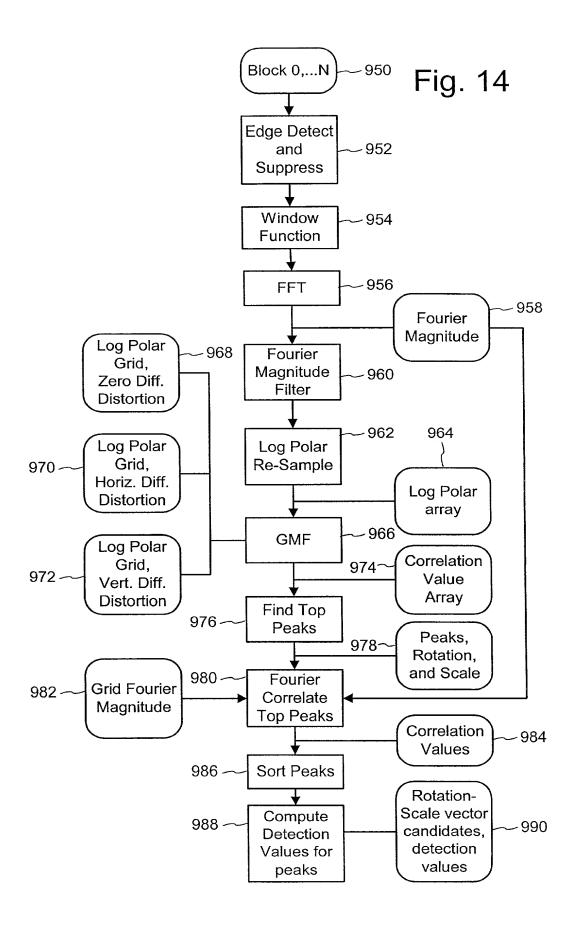
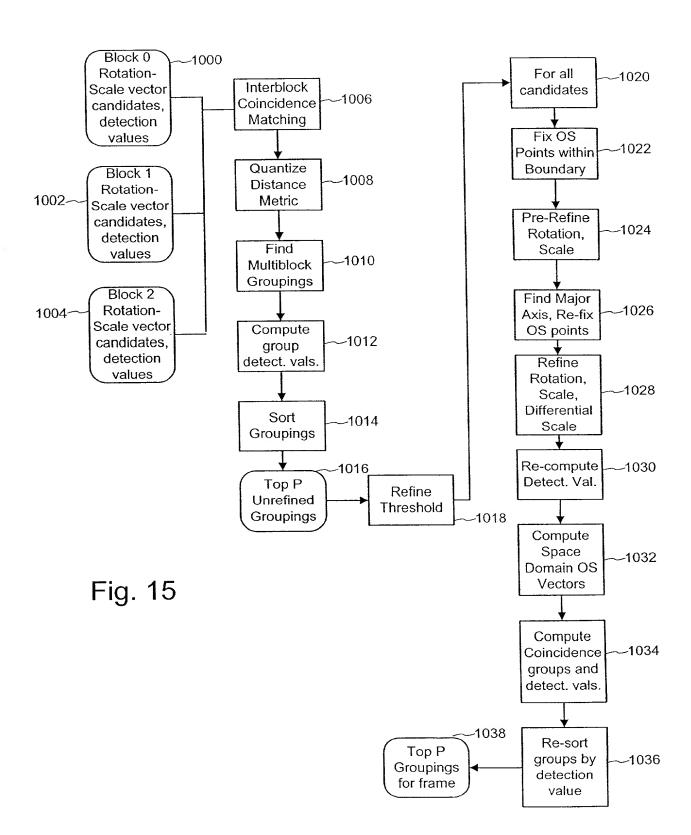
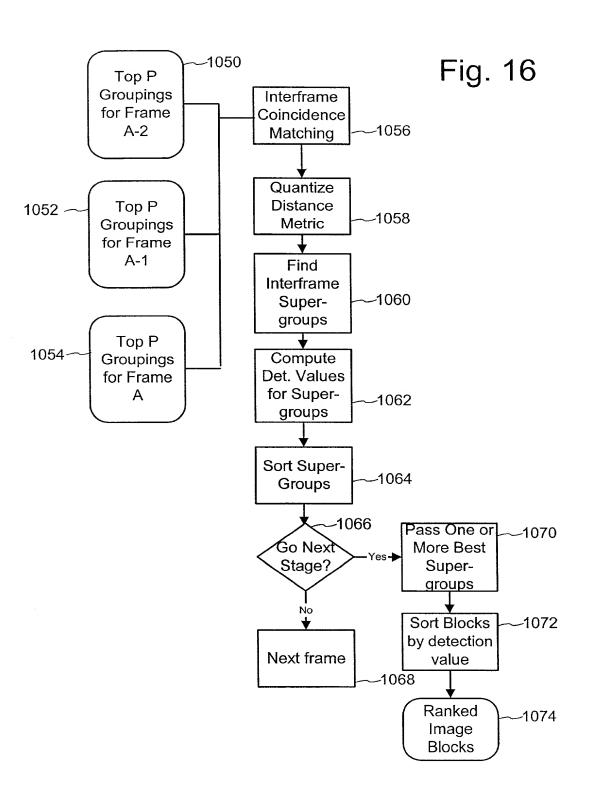
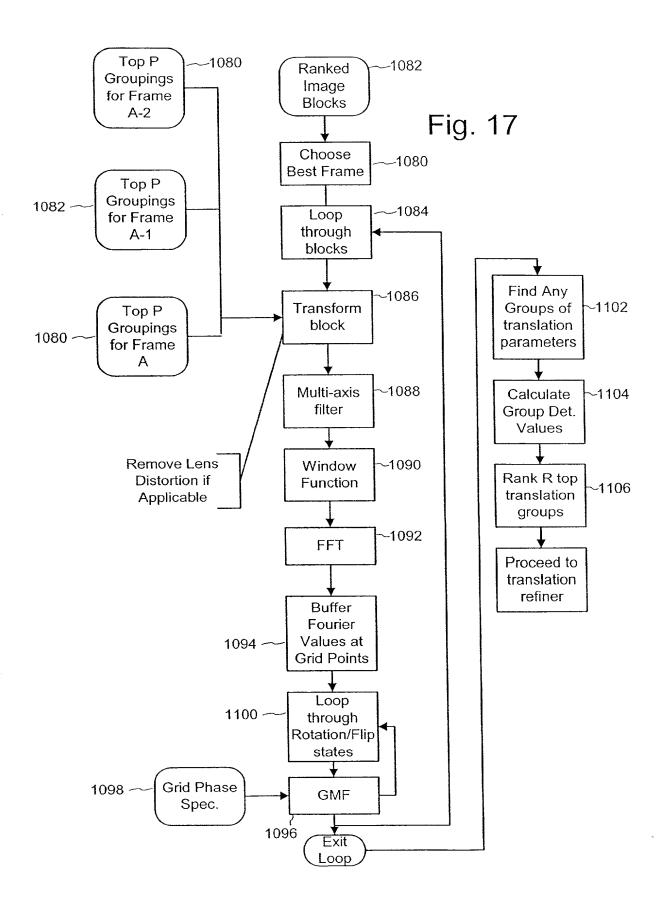


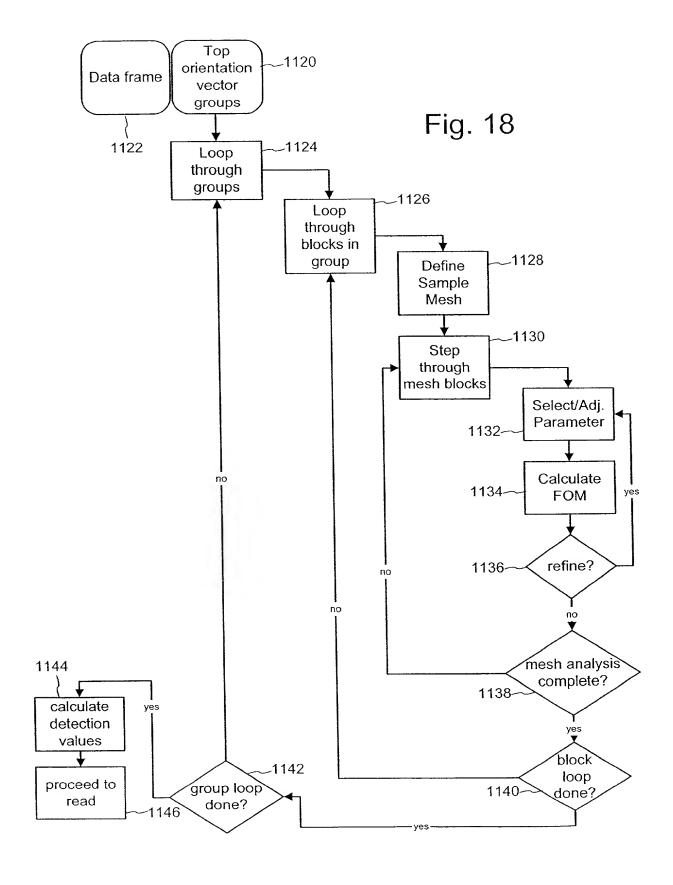
Fig. 13











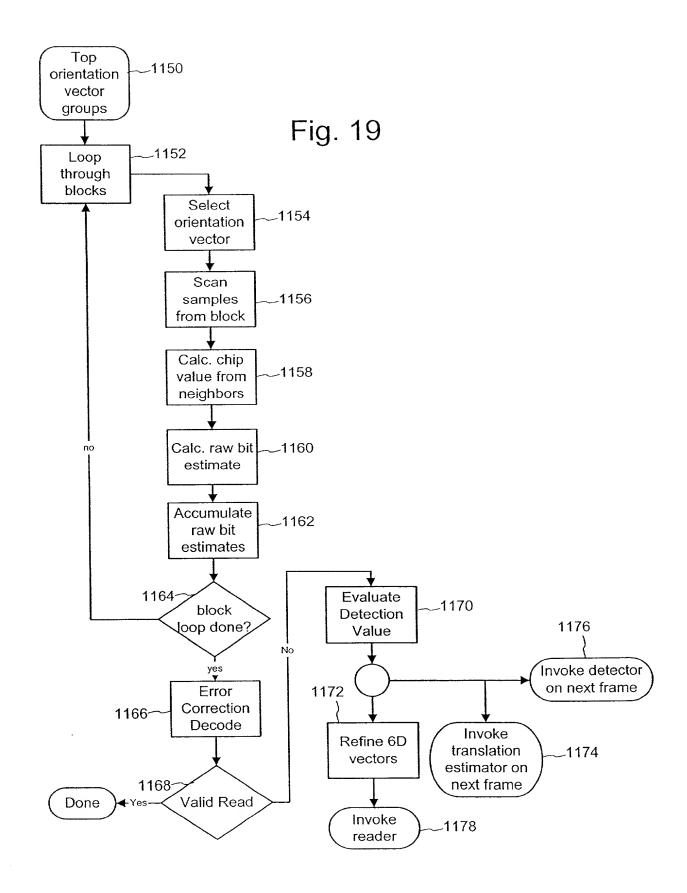
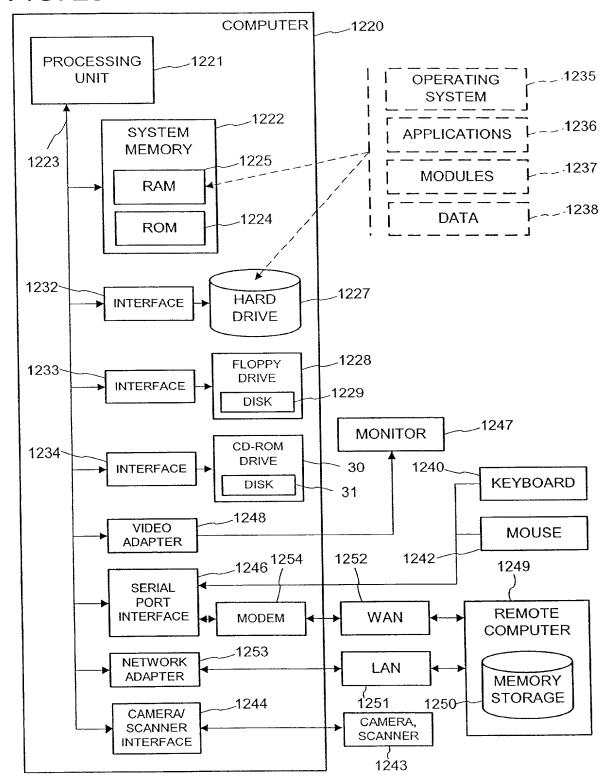


FIG. 20



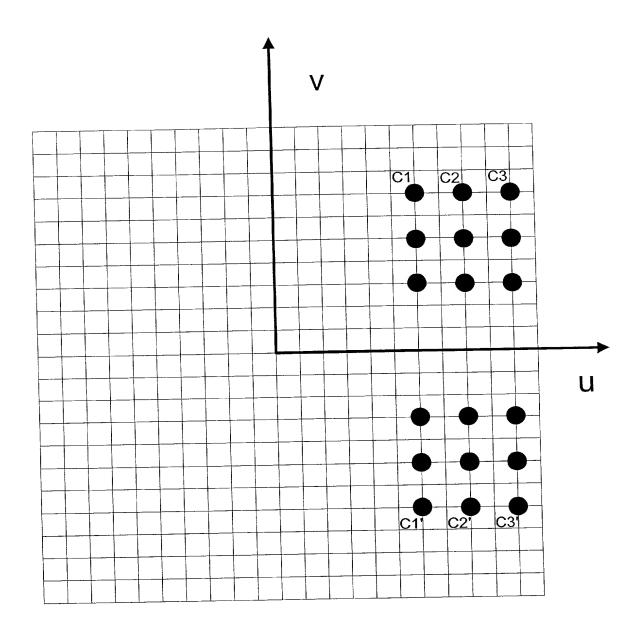


Fig. 21

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